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# INSTALLATION MANUAL

## AEROFLOW PERFORMANCE

### GM 6L80 TRANSMISSION PAN

## WARNING!

BEFORE PROCEEDING WITH INSTALLATION PLEASE READ INSTRUCTIONS CAREFULLY. THIS PRODUCT REQUIRES DETAILED KNOWLEDGE OF AUTOMOTIVE SYSTEMS. WE RECOMMEND THAT THIS INSTALLATION BE CARRIED OUT BY A QUALIFIED AUTOMOTIVE TECHNICIAN.

### INTRODUCTION

Congratulations on your purchase of Aeroflow Performance GM 6L80 transmission pan. Aeroflow Performance products cannot and will not be responsible for any damage, or other conditions resulting from misapplication of the parts described herein. However, it is our intention to provide the best possible products for our customer, products that perform properly and satisfy your expectations. Should you have any questions? Please call technical support at +61 2 8825 1900 and have the product part number on hand when calling.

Aeroflow's transmission pans use a one piece billet 3/8 (9.6mm) thick rail for precise fitment and strength. The deep fabricated aluminium design allows you to carry more oil to help reduce unwanted gearbox temperatures. Aeroflow pans come with dual fittings, 1x-6 ORB and 1 x 3/8" NPT for optional temperature gauge.

Before final assembly, make sure all parts are thoroughly cleaned. We recommend the use of our blue re-usable Teflon coated transmission pan gaskets (Sold Separately) to seal the pan to the transmission body.

Due to the welding done on these transmission pans, there is always a chance of slight warping. Some transmission pans may encounter a slight 'rocking' effect when laying the pan down on a flat surface. We have found that an initial 'rock' of up to a 1/8" (3.17mm) on a new pan is completely acceptable.



*For more information or technical enquires*

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## INSTALLATION

Automatic transmissions operate at very high temperatures. It is recommended that the vehicle be allowed to cool for a few hours to avoid burns from hot oil and parts.

MAKE SURE VEHICLE IS FIRMLY SUPPORTED - DO NOT WORK UNDER A VEHICLE IF IT IS SUPPORTED BY ONLY A JACK!

1. Remove stock transmission oil pan from the vehicle following the procedure from the factory service manual if you are unsure.
2. Scrape all old silicone (RTV) or gasket material from the transmission mounting surface.  
**NOTE:** This surface must be clean and rubbed back to raw material to ensure a good seal for the new gasket or any contaminants on the mating surfaces may cause an oil leak. Be careful not to gouge the aluminium when cleaning the transmission.
3. The oil filter will now be exposed once the transmission pan is off. You may wish to replace the transmission oil filter at this stage.  
**We recommend the use of the GM24236931 oil filter with inbuilt extension to work with this transmission oil pan.**
4. Install new transmission oil pan and new gasket (Sold Separately) onto transmission. Do not use the stock bolts from the OEM factory oil pan as they are too short. New Bolts have been supplied in this kit. Tighten the bolts to 12-13 ft-lbs (16-17 Nm). DO NOT overtighten as this can cause leaks.
5. Install the -8ORB magnetic drain plug and if not being used the extra -8ORB accessory port onto oil pan.
6. If using a temperature sensor, install in provided 1/4" NPT port on the side of the transmission oil pan. If not using it tighten the supplied 1/4" NPT plug. Ensure to seal this plug with an appropriate thread sealant.
7. Lower vehicle but try to keep rear wheels off the ground, if possible. Fill up the transmission oil pan with the correct ATF oil.
8. Start engine and place shifter in Neutral position. Add fluid until oil level is between the Low and Full marks on the dipstick. Shift transmission through all gear positions. If the wheels are off the ground, allow the transmission to shift through all gears several times. Place selector in Neutral and check fluid level. Do not overfill as this will cause foaming and overheating. Check for leaks.
9. Drive the vehicle for a short distance, making sure the transmission is warm and recheck fluid level. Add fluid as needed. Check for leaks.



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